

## Message Text

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ACTION NEA-10

INFO OCT-01 EA-09 ISO-00 EB-07 NEAE-00 /027 W  
----- 002910

P R 261239Z AUG 76  
FM AMEMBASSY NEW DELHI  
TO USDOC WASHDC PRIORITY  
INFO SECSTATE WASHDC 7959  
AMEMBASSY SINGAPORE  
AMCONSUL BOMBAY  
AMCONSUL CALCUTTA  
AMCONSUL MADRAS

UNCLAS SECTION 1 OF SECTION 3 NEW DELHI 12569

E.O. 11652: N/A

TAGS: BEXP, IN

SUBJECT: EARLY WARNING: KUDREMUH IRON ORE PROJECT - A  
MAJOR TRADE OPPORTUNITY

REF: NEW DELHI

1. THE FOLLOWING IS A TENTATIVE LIST OF THE MAJOR EQUIPMENT  
REQUIREMENTS PROPOSED TO BE PROCURED FROM FOREIGN AND/OR  
INDIAN SUPPLIERS IN SUPPORT OF THE IRANIAN FINANCED DOLS630  
MILLION KUDREMUH IRON ORE PROJECT:

### A. MINING EQUIPMENT

PRODUCT	QTY.(NO.)	DESCRIPTION/ SPECIFICATIONS	SUPPLY SOURCE
(1)	-(2)	(3)	(4)
ROTARY BLAST HOLE DRILL	6	ELEC., 9" 0 HOLE	IMPORTED
PRODUCTION SHOVEL	7	ELEC., 12 CY.	IMPORTED
PRODUCTION TRUCK	25	100 TON, ELEC.WHEEL	IMPORTED
TRACTOR, CRAWLER	7	CAT. D8 OR EQUAL	INDIAN

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TRACTOR, SCRUBBER 4 CAT. 280 OR EQUAL INDIAN

GRADE DRILL 4 AIR TRAC INDIAN

COMPRESSOR 4 600 CFM INDIAN

GRADER ROAD 3 CAT. 12 OR EQUAL INDIAN

SERVICE VEHICLE 18 - INDIAN

LOADER 1 CAT. 280 OR EQUAL INDIAN

BUS 5 50 PASSENGER INDIAN

LOWBOY 2 36 MT (METRIC TON) INDIAN

COMPRESSOR AND JACKHAMMER 3 - INDIAN

MIXING TRUCK 1 - INDIAN

#### B. CRUSHERS

TRUCK DUMP HOPPER 2 400 METRIC TONS (MT) INDIAN

PRIMARY APRON FEEDER 2 3,700 MTPH, 84" X  
35 FEET 200 HP INDIAN

PRIMARY VIBRATING SCALP- 2 3,050 MTPHN 8 FEET INDIAN  
SCREEN X 16 FEET 25HP

PRIMARY JAW CCUSHER 2 915 DMTPH, 66"X84", INDIAN  
350 HP

CORSE ORE APRON FEEDER 2 3,700 MTPH, 84"X32' INDIAN  
150 HP

DUST COLLECTOR 2 3,600 CFM AT THE RATE  
7" W.G. 150 HP INDIAN

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DUST COLLECTOR AND WASH- 1 350 USGPM AT THE RATE  
DOWN PUMP 254', 6"X4", 60HP

BUILDING SUMP PUMP 2 250 USGPM AT THE RATE INDIAN  
100', 3" 15 HP

SERVICE AIR COMPRESSOR 1 225 ACFM AT THE RATE 100  
PSIG 75 HP INDIAN

OVERHEAD CRANE        1 4515 MT, 30' SPAN,    INDIAN  
                              50, 7-1/2", 15 HP

PASSENGER ELEVATOR        1 10:9 )?, 5HP        INDIAN

C. COARSE ORE CONVEYING AND STORAGE

COARSE ORE CONVEYOR        1 7,400 MTPH, 60 INCHES INDIAN  
                              X 8528 FEET X 656 FEET  
                              X 0 FEETN, 300 HP

COARSE ORE STOCKPILE        1 240,000 MT, 72 HRS TOTAL INDIAN

COARSE ORE TRIPPER CAR        1 7,400 MTPH, 10 HP    INDIAN

TRANSFER DUST COLLECTOR        1 10,000 CFM DRY MULTI- INDIAN  
                              TUBE, 30 HP

D. CONCENTRACTORS

ORE STOCKPILE RECLAIM        12 660 MTPH, 48 INCHES INDIAN  
                              X 10 INCHES APRON 20 V/S

MILL FEED CONVEYOR        3 2,110 MTPH, 42 INCHES X INDIAN  
                              490 X 32 FEET, 200 HP

RECLAIM TUNNEL DUST        3 10,000 ACFM AT THE RATE INDIAN  
COLLECTOR                9 INCHES W.G., 50 HP

PRIMARY AUTOGENOUS MILL        3 1,084, 5DMTPH, 32 FEET IMPORTED  
                              X 12 FEET W.R., 2HP AT  
                              RATE 3,750

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PRIMARY VIBRATING SCREEN        12 1/4 INCHES SEPARATION, INDIAN  
                              8 FEET X 16 FEET 25 HP

PEBBLE COLLECTING COPVEYOR        3 715 MTPH, 24INCHES X 65 INDIAN  
                              FEET X 0 FEET 15 HP

PEBBLE STOCKPILE CONVEYOR        3 715 MTPH, 30 INCHES X10 INDIAN  
                              24ZX285'X65' 100 HP

PEBBLE STOCKPILE BET FEEDER        3 715 MTPH, 30"X10' 25V/S INDIAN

SECONDARY SCREEN FEED PUMP        6 5,200 USGPM AT THE RATE IMPORTED  
                              90' TDH, 16"14", 300 HP

SECONDARY SCREEN FEED 6 10'X6', 12 WAY INDIAN  
DISTRIBUTOR

SECONDARY VIBRATING SCREEN 72 65DMTPH, 4'X8' HI- INDIAN  
SPEED, 1.1/2 HP

SECONDARY SCREEN 0' SIZE 3 536 MTPH, 24"/X95'X0, INDIAN  
COLLECTING CONV. 15 HP

SECONDARY SCREEN 0' SIZE 3 536 MTPH, 24"X35'X0, INDIAN

RECIRC. CONVEY NO. 1 10 HP

SECONDARY SCREEN 0' SIZE 3 536 MTPH, 24"X85'X20' INDIAN  
RECIRC. CONVEYOR NO. 2 25 HP

SECONDARY SCREEN 0' SIZE 3 536 MTPH, 24'X35'X9', INDIAN  
RECIRC. CONVEYOR NO. 3 15 HP

MAGNETIC SEPARATOR 36 100 USGPM/FT., 36"X96" IMPORTED  
D.D., 2 HP AT THE RAT 5

NOTE BY OC/T: REFTTEL RECEIVED WITHOUT NUMBER.

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ACTION NEA-10

INFO OCT-01 EA-09 ISO-00 EB-07 NEAE-00 /027 W  
----- 003259

P R 261239Z AUG 76  
FM AMEMBASSY NEW DELHI  
TO USDOC WASHDC PRIORITY  
INFO SECSTATE WASHDC 7960  
AMEMBASSY SINGAPORE  
AMCONSUL BOMBAY  
AMCONSUL CALCUTTA  
AMCONSUL MDRAS

UNCLAS SECTION 2 OF SECTION 3 NEW DELHI 12569

(1) (2) (3) (4)

SECONDARY (BALL) MILL 6 434 DMTPH, 16-1/2'X38' IMPORTED

(19 KWH/DMT),5600 SYNC.

PRIMARY (NON-MAG)CYCLONE 9 7300 USGPM AT THE RATE OF IMPORTED  
FEED PUMP 75', 16"X14", 250HP

PRIMARY(NON-MAG) CYCLONE 24 1800 USGPM EA., 30"0 INDIAN  
FOR 150M

ROUGHER SPIRAL FEED PUMP 3 6100 USGPM AT THE RATE 95' IMPORTED  
TDH 16"X14", 350HP

ROUGHER SPIRAL FEED DISTRI- 3 10' 0X8', 18WAY INDIAN  
BUTOR

ROUGHER SPIRALS 648 1.6 DMTPH, 5 TURN IMPORTED  
TWIN

CLEANER SPRIALS N 324 .7 DMTPH, 5 TURN TWIN IMPORTED

SPIRAL TAILS DISTRIBUTOR 3 12' 0 X 6', 5 WAY INDIAN

SPIRAL TAILS CLASSIFYING 15 2500 USGPM EA., 36" INDIAN  
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PUMP 0 FOR 48M

CLASS, CYCLONE U' FLOW PUMP 3 360 USGPM AT THE RATE 105' INDIAN  
TDH, 5"X4", 30 HP

SECONDARY CYCLONE FEED 12 7500 USGPM AT THE RATE 90' IMPORTED  
PUMP TDH, 16"X14", 450HP

DSM SCREEN FEED PUMP 6 10' 0 X 6', 20 WAY INDIAN

SECONDARY CYLLONES 120 320 USGPM EA, 10" 0 INDIAN  
FOR 325 M

DSM SCREENS 120 60 USGPM/FT. AT THE RATE INDIAN  
100M, 4" WIDE FRACT.

CONCENTRATE THICKENER 3 1.35 DMTPD/FT 2,98' INDIAN  
0, 15 HP

CONC. THICKNER U' FLOW 6 1600 USGPM AT THE RATE IMPORTED  
PUMP 100"TDH, 10"X8", 250 V/S

GLAND SEAL WATER PUMP 6 400 USGPM AT THE RATE 300' INDIAN  
TDH 8"X5", 100HP

WASH WATER PUMP 1 300 USGPM AT THE RATE 180' INDIAN

TDH 6"X4", 40 HP

SEPARATION BAY SUMP PUMP 2 250 USGPM AT THE RATE 80"TDH,  
3", 10 HP INDIAN

GRINDING BAY SUMP PUMP 2 250 USGPM AT THE RATE 120' INDIAN  
TDH, 3", 15HP

MILL FEED BELT SCALE 3 1084.5 DMTPH, 42" IMPORTED

FINAL CONCENTRATE SAMPLER 1 1301.4 DMTPH, 3HP INDIAN

PRIMARY GRINDING BAY CRANE 1 35T, 79' SPAN, 50/7- INDIAN  
1/2/10

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SECONDARY MILL DRIVE BAY 1 35T, 70' SPAN, 50/7- INDIAN  
CRANE 1/2/10

CONCENTRATION BAY CRANE 1 5T, 94' SPAN, 15/3/5 INDIAN

SERVICE AIR COMPRESSOR 1 800 CFM AT THE RATE 125 INDIAN  
PSIG, 200 HP

FREIGHT AND PASSENGER 1 2000 LB, 5 HP INDIAN  
ELEVATOR

#### D. TAILLING DISPOSAL AND WATER SUPPLY EQUIPMENT

TAILLINGS THICKENER 3 610 DMTPH, 300 0, INDIAN  
2 AT THE RATE 10

TAILS THICKENER U' FLOW 3 5300 USGPM AT THE RATE IMPORTED  
PUMP 45"TDH, 14"Z12",150V/S

FINAL TAILLINGS SAMPLER 1 10,500 USGPM, 2 STAGE, IMPORTED  
3/1 HP

TAILLINGS DISPOSAL PUMP 3 17,000 USGPM AT THE RATE IMPORTED  
140', 20"X58"NIHARD,1500HP

TAILLINGS DISPOSAL BOOSTER 2 17,000 USGPM AT THE RATE IMDPORTED  
PUMP 140', 20"X58"NIHARD,1500HP

TAILS DISPOSAL PIPELINE 20000FT 24" 0 INDIAN

CONC.THICKENER 0' FLOW - - IMPORTED  
PUMP

RECIRC.WATER PUMP        8 12,000 USGPM AT THE RATE   IMPORTED  
200,828" 3STG., 800HP

RECIRC.WATER PIPELINE   2400FT 54" 0               INDIAN

RECIRC.WATER HEAD TANK   2 850,000 GAL.,60" 0       INDIAN  
X 40', 20MIN

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FRESH WATER PUMP        4 2500 USGPM AT THE RATE 230' INDIAN  
16" 2STG., 200 HP

FRESH WATER PIPELINE   2300FT 18" 0               INDIAN

FRESH WATER HEAD TANK   1 850,000 GAL., 60' 0       INDIAN  
X 40', 2HR

RECLAIM WATER PUMP       3 6000 USGPM AT THE RATE100, IMPORTED  
18" 1STG., 250 HP

RECLAIM WATER PIPELINE   7000FT 24" 0               INDIAN

RECIRC.PUMPHOUSE CRANE   1 5T, 82' SPAN, 15/3/4/3       INDIAN

#### E. PIPELINE EQUIPMENT

TRASH SCREEN            1       -               INDIAN

SLURRYBVTOAAGE TANK       2 1,850,000 US.GAL       INDIA  
N

PROPELLER TYPE AGITATOR   2 375 HP               IMPORTED

CORROSION INHIBITOR TANK   2       -               INDIAN

AGITATORS FOR INHIBITOR TANK 2 1 HP               IMPORTED

INHIBITOR METERING PUMP   H 2 1 HP               IMPORTED

PIPELINE SLURRY PUMP       3 2750 U.S. GAL./MINM AT THE IMPORTED  
RATE 750 PSI, 1500 HP

PIPELINE SLURRY CHARGE   2 7100 US GAL./MIN.120FT HEAD IMPORTED  
PUMPS               VARIABLE SPEED 600 HP

SEALWATER PUMP           2 80 HP               INDIAN

#### F. SHIPLOADING FACILITIES AT PANAMBUR

DECANT/POND FLOAT 2 - INDIAN  
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"MARCONAJET" ASSEMBLY 8 - IMPORTED

SERVICE AIR COMPRESSOR 2 1000 CFM AT THE RATE INDIAN  
100 PSI, 250 HP

SERVICE AIR RECEIVER 1 - INDIAN

SERVICE AIR RECEIVER 12 - INDIAN

INSTRUMENT AIR RECEIVER 1 - 8,\$

INSTRUMENT AIR FILTER AND 1 80 CFM AT THE RATE PSI, IMPORTED  
DRYER 30 HP

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ACTION NEA-10

INFO OCT-01 EA-09 ISO-00 EB-07 NEAE-00 /027 W  
----- 003408

P R 261239Z AUG 76  
FM AMEMBASSY NEW DELHI  
TO USDOC WASHDC PRIORITY  
INFO SECSTATE WASHDC 7961  
AMEMBASSY SINGAPRE  
AMCONSUL BOMBAY  
AMCONSUL CALCUTTA  
AMCONSUL MADRAS

UNCLAS SECTION 3 OF SECTION 3 NEW DELHI 12569

(1) (2) (3) (4)

MAKE-UP PUMP (FURPUR R) 1 1000 GPM, 250FT.HEAD IMPORTED



100 HP

TRASH SCREEN 1 - INDIAN

CORROSION 1 - INDIAN

AGITATOR FOR CORROSION 1 1HP IMPORTED  
INHIBITOR TANK

INHIBITOR METERING PUMP 1 - IMPORTED

SHIPLOADING PUMP 6 19,500G.P.M.145FT IMPORTED  
HEAD, 2000 HPWATER FEED PUMPS 2 16,000 G.P.M. 850FT IMPORTED  
HEAD, 2250 HPMAKE UP AND FLUSH WATER PUMP 2 13,000 GPM, 150FT HEAD, IMPORTED  
600 HP

SEAL WATER PUMP 2 30 HP INDIAN

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SINGLE POINT MOORING BUOY 1 - IMPORTED

SERVICE LAUNCH 1 - INDIAN

## F. PROJECT MOBILE AND MAINTENANCE EQUIPMENT

FRONT END LOADER 2 6CY. RUBBER TIRED INDIAN

DOZER 1 D-8 INDIAN

DOZER 2 RUBBER TIRED, 300 HP INDIAN

MOTOR PATROL 2 200 HP INDIAN

WATER WAGON 1 6,000 GAL. INDIAN

MOBILE CRANE 1 50 T AT THE RATE 50' INDIAN

HYDRAULIC CRANE 1 15 T AT THE RATE 56' INDIAN

DUMP TRUCK 3 5 CY. INDIAN

MAN BUS 5 50 PASSENGER INDIAN

FLAT RACK 3 5 T INDIAN

FLAT RACK 4 2-1/2 T INDIAN

FLAT RACK 6 1 T INDIAN

MECHANICS TRUCK 2 2-1/2 T INDIAN

WELDING TRUCK 2 2-1/2 T INDIAN

FUEL TRUCK 1 2-1/2 T INDIAN

LUBE TRUCK 1 2-1/2 T INDIAN

LINE TRUCK 1 2-1/2 T INDIAN

GARBAGE TRUCK	1 5 T	INDIAN
FIRE ENGINE	1 750 G.P.M.	INDIAN
JEEPS	22 4 WHEEL DRIVE	INDIAN
PICKUP TRUCK	12 1/2 TON, 4 WHEEL DRIVE	INDIAN
SADAN AUTOMOBILES	3 4 DOOR	INDIAN
AMBULANCE	1 TRAVEL ALL	INDIAN
FORT LIFT TRUCK	2 2 TON	INDIAN
FORT LIFT TRUCK	1 5 TON	INDIAN
TRACTOR	4 40 TON	INDIAN
LOWBOY	2 40 TON	INDIAN
TRAILER - TANKER	1 6,000 GAL.	INDIAN
TRAILER-FLAT BED	3 25 TON	INDIAN
PORTABLE COMPRESSOR	2 300 CFM AT THE RATE OF 125 PSI.	INDIAN

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PORTABLE WELDER	3 300A, \$, 4 WHEEL	INDIAN
TYPE		

PORTABLE GENERATOR	1 15 KW, DIESEL, 4 WHEEL	INDIAN
TYPE		

PORTABLE LIGHT PLANT	4 2 KW, GASOLINE, 4	INDIAN
WHEEL TYPE		

2. AN ADDITIONAL AND/OR REVISED LIST OF EQUIPMENT WILL BE SUBMITTED WHEN AVAILABLE. SOME REVISION IN THE SPECIFICATION/ DESCRIPTION AND QUANTITY OF EQUIPMENT ALSO IS QUITE LIKELY WHEN THE FINAL SELECTION OF THE CONTRAVTOR(S) HAS BEEN MADE.

3. ACTION REQUESTED: ALLPOTENTIAL US SUPPLIERS OF EQUIPMENT SHOULD BE NOTIFIED OF THE ABOVE TRADE OPPORTUNITY AND ADVISED TO SUBMIT QUOTATIONS ALONG WITH DESCRIPTIVE MATERIAL TO K.C. KHANA, CHAIRMANJN AND MANAGING DIRECTOR, KUDREMUKH IRON ORE COMPANY LTD., BANGALORE, KARNATAKA, INDIAN TO PREQUALIFY THEMSELVES FOR CONSIDERATION AS BIDDERS SINCE MUCH OF THE EQUIPMENT IS LIKELY TO BE PROCURED ON A LIMITED TENDER BASIS.

4. COMMENT: THE ABOVE LIST REPORTEDLY REPRESENTS ABOUT 60 PERCENT OF THE TOTAL EQUIPMENT REQUIREMENT FOR THE KUDREMUKH PROJECT AS INDICATED, A LARGE NUMBER OF THE ITEMS ARE TO BE SUPPLIED BY INDIGNEOUS SOURCES. NEVERTHELESS , THERE REMAINS A POTENTIAL MARKET FOR FOREIGN SUPPLIERS EVEN FOR THE "NON-IMPORTED" PRODUCT SINCE MANY OF THE INDIAN SUPPLIERS MAY NOT BE CAPABLE OF MEETING THE DELIVERY SCHEDULES.

5. THIS IS NOT AN OFFICIAL LIST ISSUED BY KIOC. IT WAS OBTAINED FROM TRADE SOURCES WHO HAVE CLOSELY FOLLOWED

THE PROJECT.SAXBE

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 26 AUG 1976  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1976NEWDE12569  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** D760326-0326  
**From:** NEW DELHI  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1976/newtext/t19760817/aaaaaoce.tel  
**Line Count:** 548  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ACTION NEA  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 10  
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**Review Authority:** cahillha  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 01 APR 2004  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** RELEASED <01 APR 2004 by ReddocGW>; APPROVED <28 JAN 2005 by cahillha>  
**Review Markings:**

Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
04 MAY 2006

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** EARLY WARNING: KUDREMUKE IRON ORE PROJECT - A MAJOR TRADE OPPORTUNITY  
**TAGS:** BEXP, IN  
**To:** COM  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006